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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 11

Complete If Known

Application Number 09/724,319
Filing Date November 27, 2000
First Named Inventor Dale B. Schenk
Group Art Unit 1647
Examiner Name Unassigned NICHOLS
Attorney Docket Number 15270J-004743US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CTU	196	6,150,091		Pandolfo et al.	11-21-2000	
	1	6,057,367		Stamler et al.	05-02-2000	
	2	5,958,883		Snow	09-28-1999	
	3	5,955,317		Suzuki et al.	09-21-1999	
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	5	5,877,399		Hsiao et al.	03-02-1999	
	6	5,869,093		Weiner et al.	02-09-1999	
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	9	5,851,998		Kline	12-22-1998	
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	13	5,753,624		McMichael et al.	05-19-1998	
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	28	5,231,000		Majocha et al.	07-27-1993	
	29	5,220,013		Ponte et al.	06-15-1993	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 11

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Application Number 09/724,319
Filing Date November 27, 2000
First Named Inventor Dale B. Schenk
Group Art Unit 1647
Examiner Name Unassigned NICHOLS
Attorney Docket Number 15270J-004743US

30	5,208,036		Eppstein et al.	05-04-1993	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	35	EP	911 036	A2		04-28-1999		<input type="checkbox"/>
	36	EP	868 918	A2		10-07-1998		<input type="checkbox"/>
	37	EP	863 211	A1		09-09-1998		<input type="checkbox"/>
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	40	EP	683 234	A1		11-22-1995		<input type="checkbox"/>
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	49	EP	451 700	A1		10-18-1991		<input type="checkbox"/>
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	187	EP	783 104	A1		07-09-1997		<input type="checkbox"/>
	199	PCT	00/77178	A1		12-21-2000		<input type="checkbox"/>
	188	PCT	00/43049	A1		07-27-2000		<input type="checkbox"/>
	53	PCT	99/60024	A1		11-25-1999		<input type="checkbox"/>
	54	PCT	99/60021	A2		11-15-1999		<input type="checkbox"/>
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Sheet

of 11

Application Number

09/724,319

Filing Date

November 27, 2000

First Named Inventor

Dale B. Schenk

Group Art Unit

1647

Examiner Name

Unassigned - **NICHOLS**

Attorney Docket Number

15270J-004743US

59	PCT	99/27911	A1		06-10-1999		
203	PCT	99/00150	A2		01-07-1999		
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72	PCT	94/01772	A1		01-20-1994		
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Sheet 4 of 11

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - NICHOLS
Attorney Docket Number	15270J-004743US



92	GB	2 220 211	A	<u> </u>	01-04-1990	<u> </u>	<input type="checkbox"/>
93	GB	2 335 192	A	<u> </u>	09-15-1999	<u> </u>	<input type="checkbox"/>


Examiner Signature	<u>G. H. B.</u>	Date Considered	4/14/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - NICHOLS
Attorney Docket Number	15270J-004743US

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Sheet 5 of 11

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?," <u>Neurology</u> , 45:1441-1445 (1995).	<input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <u>The Boston Globe</u> (4/13/95).	<input type="checkbox"/>
	98	BAUER et al., "Interleukin-6 and α -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).	<input type="checkbox"/>
	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <u>Eur. J. Immunol.</u> 29:345-354 (1999).	<input type="checkbox"/>
	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <u>Soc. for Neuroscience Abstracts</u> 18:764 (1992).	<input type="checkbox"/>
	178	BARD et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <u>Nature Medicine</u> , 6(8):916-919 (2000).	<input type="checkbox"/>
	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <u>New England J. Medicine</u> , 341(22):1694 (1999).	<input type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <u>Biochem. Biophys. Res. Comm.</u> , 171(2):890-897 (1990).	<input type="checkbox"/>
	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> , 19: 939-945 (1997).	<input type="checkbox"/>
	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <u>Cur. Opin. Genet. Develop.</u> , 3: 102-109 (1993).	<input type="checkbox"/>
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	214	DEMATTOIS et al., "Peripheral Anti A β Antibody Alters CNS And Plasma A β Clearance and Decreases Brain A β Burden in a Mouse Model of Alzheimer's Disease," <u>Proc. Natl. Acad. Sci. USA</u> , 10.1073/pnas.151261398 (2001).	<input type="checkbox"/>
	103	DUFF et al., "Mouse model made," <u>Nature</u> , 373: 476-477 (1995).	<input type="checkbox"/>

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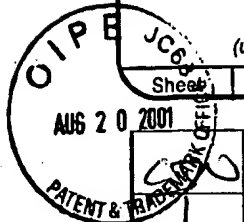
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Sheet 6 of 11

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First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US



104	ELIZAN et al., "Antineurofilament antibodies in a postencephalitic and idiopathic Parkinson's disease," <u>J. Neurol. Sciences</u> , 59:341-347 (1983).	<input type="checkbox"/>
105	FELSENSTEIN et al., "Processing of the β -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <u>Neuroscience Letters</u> , 152:185-189 (1993).	<input type="checkbox"/>
108	FINCH et al., "Evolutionary Perspectives on Amyloid and Inflammatory Features of Alzheimer Disease," <u>Neurobiology of Aging</u> , 17(5):809-815 (1996).	<input type="checkbox"/>
107	FISHER et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <u>PNAS</u> , 88:1779-1782 (1991).	<input type="checkbox"/>
108	FLANDERS et al., "Altered expression of transforming growth factor- β in Alzheimer's disease," <u>Neurology</u> , 45:1581-1589 (1995).	<input type="checkbox"/>
210	FRIEDLAND et al., "Development of an anti-A β monoclonal antibody for in vivo imaging of amyloid angiopathy in Alzheimer's disease," <u>Mol. Neurology</u> , 9:107-113 (1994).	<input type="checkbox"/>
109	GAMES et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein," <u>Nature</u> , 373(6514): 523-527 (1995).	<input type="checkbox"/>
215	GAMES et al., "Prevention and Reduction of AD-type Pathology in PDAPP Mice Immunized with A β ₁₋₄₂ ," <u>Annals of the New York Academy of Science</u> 920:274-84 (2000).	<input type="checkbox"/>
110	GANDY et al., "Amyloidogenesis in Alzheimer's disease: some possible therapeutic opportunities," <u>TIPS</u> , 13:108-113 (1992).	<input type="checkbox"/>
111	GASKIN et al., "Human antibodies reactive with beta-amyloid protein in Alzheimer's disease," <u>J. Exp. Med.</u> , 177:1181-1186 (1993).	<input type="checkbox"/>
112	GLENN et al., "Skin immunization made possible by cholera toxin," <u>Nature</u> , 391: 851 (1998).	<input type="checkbox"/>
113	GLENNER et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," <u>Biochemical and Biophysical Research Communications</u> , 120(3): 885-890 (1994).	<input type="checkbox"/>
114	GLENNER et al., "Alzheimer's Disease and Down's Syndrome: Sharing of A Unique Cerebrovascular Amyloid Fibril Protein," <u>Biochemical and Biophysical Research Communications</u> , 122(3): 1131-1135 (1984).	<input type="checkbox"/>
115	GOATE et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <u>Nature</u> , 349:704-706 (1991).	<input type="checkbox"/>
116	GOZES et al., "Neuroprotective strategy for Alzheimer disease: Intranasal administration of a fatty neuropeptide," <u>PNAS</u> , 93:427-432 (1996).	<input type="checkbox"/>
190	GRAVINA et al., "Amyloid β Protein (A β) in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 270(13):7013-7016 (1995).	<input type="checkbox"/>
117	GUPTA et al., "Differences in the immunogenicity of native and formalized cross reacting material (CRM197) of diphtheria toxin in mice and guinea pigs and their implications on the development and control of diphtheria vaccine based on CRMs," <u>Vaccine</u> , 15(12/13): 1341-1343 (1997).	<input type="checkbox"/>
118	HAGA et al., "Synthetic Alzheimer amyloid β /A4 peptides enhance production of complement C3 component by cultured microglial cells," <u>Brain Research</u> , 601:88-94 (1993).	<input type="checkbox"/>

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Signature

Guilford

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 11

Complete if Known

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US



119	HANES et al., "New advances in microsphere-based single-dose vaccines," <u>Advanced Drug Delivery Reviews</u> , 28: 97-119 (1997).	<input checked="" type="checkbox"/>
120	HARDY, "Amyloid, the presenilins and Alzheimer's disease," <u>TINS</u> , 20(4): 154-159 (1997).	<input checked="" type="checkbox"/>
121	HARDY, John, "New Insights into the Genetics of Alzheimer's Disease," <u>Annals of Med.</u> , 28:255-258 (1998).	<input checked="" type="checkbox"/>
193	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of β / A4-protein," <u>Biochimica Biophysica Acta</u> , 1158:120-128 (1993).	<input checked="" type="checkbox"/>
177	HELMUTH, L., "Further Progress on a β -Amyloid Vaccine," <u>Science</u> , 289:375 (2000).	<input checked="" type="checkbox"/>
122	HSIAO et al., "Correlative Memory Deficits, A β Elevation, and Amyloid Plaques in Transgenic Mice," <u>Science</u> , 274: 99-102 (1996).	<input checked="" type="checkbox"/>
123	HUBERMAN et al., "Correlation of cytokine secretion by mononuclear cells of Alzheimer's patients and their disease stage," <u>J. Neuroimmunology</u> , 52:147-152 (1994).	<input checked="" type="checkbox"/>
124	HYMAN et al., "Molecular Epidemiology of Alzheimer's Disease," <u>N. E. J. Medicine</u> , 333(19):1283-1284 (1995).	<input checked="" type="checkbox"/>
125	ITAGAKI et al., "Relationship of microglia and astrocytes to amyloid deposits of Alzheimer's disease," <u>J. Neuroimmunology</u> , 24:173-182 (1989).	<input checked="" type="checkbox"/>
192	IWATSUBO et al., "Visualization of A β 42(43) and A β 40 in Senile Plaques with End-Specific A β Monoclonals: Evidence That an Initially Deposited Species Is A β 42(43)," <u>Neuron</u> , 13:45-53 (1994).	<input checked="" type="checkbox"/>
126	JANSEN et al., "Immunotoxins: Hybrid Molecules Combining High Specificity and Potent Cytotoxicity," <u>Immun. Rev.</u> , 62: 185-218 (1982).	<input checked="" type="checkbox"/>
216	JOACHIM et al., "Antibodies to Non-beta Regions of the Beta-amyloid Precursor Protein Detect a Subset of Senile Plaques," <u>Am. J. of Pathology</u> 138:373-378 (1991).	<input checked="" type="checkbox"/>
127	KALARIA, R. N., "Serum amyloid P and related molecules associated with the acute-phase response in Alzheimer's disease," <u>Res. Immunology</u> , 143:637-641 (1992).	<input checked="" type="checkbox"/>
183	KATZAV-GOZANSKY et al., "Effect of monoclonal antibodies in preventing carboxypeptidase A aggregation," <u>Biotechnol. Appl. Biochem.</u> , 23:227-230 (1996).	<input checked="" type="checkbox"/>
128	KAWABATA et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <u>Nature</u> , 354:476-478 (1991).	<input checked="" type="checkbox"/>
195	KONIG et al., "Development and Characterization of a Monoclonal Antibody 369.2B Specific for the Carboxyl-Terminus of the β A4 Peptide," <u>Annals of NY Acad. Sci.</u> , 777:344-355 (1996).	<input checked="" type="checkbox"/>
129	LAMPERT-ETCHELLS et al., "Regional Localization of Cells Containing Complement C1q and C4 mRNAs in the Frontal Cortex During Alzheimer's Disease," <u>Neurodegeneration</u> , 2:111-121 (1993).	<input checked="" type="checkbox"/>
130	LANGER, "New Methods of Drug Delivery," <u>Science</u> , 249: 1527-1532 (1990).	<input checked="" type="checkbox"/>

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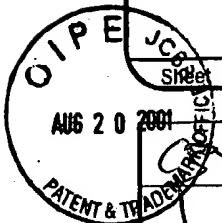
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Sheet 8 of 11

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Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US



131	LANNFELT et al., "Alzheimer's disease: molecular genetics and transgenic animal models," <u>Behavioural Brain Res.</u> , 57:207-213 (1993).	<input type="checkbox"/>
132	LEMERE et al., "Mucosal Administration of A β Peptide Decreases Cerebral Amyloid Burden In Pd-App Transgenic Mice," <u>Society for Neuroscience Abstracts</u> , vol. 25, part 1, Abstract 518.6, 29th Annual Meeting, (October 23-28, 1999).	<input type="checkbox"/>
133	LIVINGSTON et al., "The Hepatitis B Virus-Specific CTL Responses Induced in Humans by Lipopeptide Vaccination Are Comparable to Those Elicited by Acute Viral Infection," <u>J. Immunol.</u> , 159: 1383-1392 (1997).	<input type="checkbox"/>
134	LOPEZ et al., "Serum auto-antibodies in Alzheimer's disease," <u>Acta. Neurol. Scand.</u> , 84:441-444 (1991).	<input type="checkbox"/>
218	MAJOCHA et al., "Development of a Monoclonal Antibody Specific for β /A4 Amyloid in Alzheimer's Disease Brain for Application to In Vitro Imaging of Amyloid Angiopathy," <u>The J. of Nuclear Med.</u> , 33:2184-2189 (1992).	<input type="checkbox"/>
217	MASTERS et al., "Amyloid Plaque core protein in Alzheimer Disease and Down Syndrome," <u>Proc. Natl. Acad. Sci. USA</u> , 82:4245-4249 (1985).	<input type="checkbox"/>
135	MC GEE et al., "The encapsulation of a model protein in poly (D, L lactide-co-glycolide) microparticles of various sizes: an evaluation of process reproducibility," <u>J. Micro. Encap.</u> , 14(2): 197-210 (1997).	<input type="checkbox"/>
136	MEDA et al., "Activation of microglial cells by β -amyloid protein and interferon- γ ," <u>Nature</u> , 374:647-650 (1995).	<input type="checkbox"/>
137	MILLER et al., "Antigen-driven Bystander Suppression after Oral Administration of Antigens," <u>J. Exp. Med.</u> , 174:791-798 (1991).	<input type="checkbox"/>
208	MORI et al., "Mass Spectrometry of Purified Amyloid β Protein in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 267(24):17082-17088 (1992).	<input type="checkbox"/>
191	MURPHY et al., "Development of a Monoclonal Antibody Specific for the COOH-Terminal of β -Amyloid 1-42 and Its Immunohistochemical Reactivity in Alzheimer's Disease and Related Disorders," <u>Am. J. Pathology</u> , 144(5):1082-1088 (1994).	<input type="checkbox"/>
138	NATHANSON et al., "Bovine Spongiform Encephalopathy (BSE): Causes and Consequences of a Common Source Epidemic," <u>Am. J. Epidemiol.</u> , 145(11): 959-969 (June 1, 1997).	<input type="checkbox"/>
139	New York Times National, "Anti-Inflammatory Drugs May Impede Alzheimer's," (2/20/94).	<input type="checkbox"/>
140	PARESCIE et al., "Microglial cells influence aggregates of the Alzheimer's disease amyloid beta-protein via a scavenger receptor," <u>Neuron</u> , 17:553-565 (September 1996).	<input type="checkbox"/>
141	PAUL et al., "Transdermal immunization with large proteins by means of ultra-deformable drug carriers," <u>Eur. J. Immunol.</u> , 25: 3521-3524 (1995).	<input type="checkbox"/>
142	PRIEELS et al., "Synergistic adjuvants for vaccines," <u>Chemical Abstracts</u> , 120(8): pg. 652, column 1, abstract 86406t (1994).	<input type="checkbox"/>
143	QUON et al., "Formation of β -Amyloid protein deposits in brains of transgenic mice," <u>Nature</u> , 352:239-241 (1991).	<input type="checkbox"/>
144	RASO, V.A., Grant application # 1 R43 AG15746-01, (publication date unknown).	<input type="checkbox"/>

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Examiner Signature		Date Considered	4/14/04
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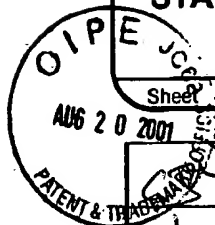
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Sheet 9 of 11

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Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - NICHOLS
Attorney Docket Number	15270J-004743US



145	RASO, "Immunotherapy of Alzheimer's Disease," <u>Immunotherapy Weekly</u> , Abstract (April 2, 1998).	<input type="checkbox"/>
146	ROGERS et al., "Complement activation by β -amyloid in Alzheimer Disease," <u>PNAS</u> , 89:1-5 (1992).	<input type="checkbox"/>
147	ROSSOR et al., "Alzheimer's Disease Families with Amyloid Precursor Protein Mutations," <u>Annals of New York Academy of Sciences</u> , 695:198-202 (1993).	<input type="checkbox"/>
209	RUDINGER, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," in <u>Peptide Hormones</u> , J.A. Parson, ed. University Park Press, Baltimore, pp 1-7 (1976).	<input type="checkbox"/>
189	SAIDO et al., "Spatial Resolution of Fodrin Proteolysis in Postischemic Brain," <u>J. Biol. Chem.</u> , 268(33):25239-25243 (1993).	<input type="checkbox"/>
194	SAIDO et al., "Spatial Resolution of the Primary β -Amyloidogenic Process Induced in Postischemic Hippocampus," <u>J. Biol. Chem.</u> , 269(21):15253-15257 (1994).	<input type="checkbox"/>
178	SCHENK et al., "Therapeutic Approaches Related to Amyloid- β Peptide and Alzheimer's Disease," <u>J. Med. Chem.</u> , 38(21):4141-4154 (1995).	<input type="checkbox"/>
148	SCHENK et al., "Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <u>Nature</u> , 400:173-177 (1999).	<input type="checkbox"/>
149	SELKOE, D.J., "Imaging Alzheimer's Amyloid," <u>Nat. Biotech.</u> , 18:823-824 (2000).	<input type="checkbox"/>
150	SELKOE, "Alzheimer's Disease: A Central Role for Amyloid," <u>J. Neuropathol. Exp. Neurol.</u> , 53(5): 438-447 (1994).	<input type="checkbox"/>
151	SELKOE, "Physiological production of the β -amyloid protein and the mechanism of Alzheimer's disease," <u>Trends in Neurosciences</u> , 16(10): 403-409 (1993).	<input type="checkbox"/>
152	SELKOE, Dennis J., "Amyloid Protein and Alzheimer's Disease.....," <u>Scientific American</u> , pgs. 68-78 (November, 1991).	<input type="checkbox"/>
153	SELKOE, Dennis J., "In the Beginning....," <u>Nature</u> , 354:432-433 (1991).	<input type="checkbox"/>
154	SELKOE, Dennis J., "The Molecular pathology of Alzheimer's Disease," <u>Neuron</u> , 6:487-498 (1991).	<input type="checkbox"/>
155	SELKOE, Dennis J., "Alzheimer's Disease: Genotypes, Phenotype, and Treatments," <u>Science</u> , 275:630-631 (1997).	<input type="checkbox"/>
156	SEUBERT et al., "Isolation and quantification of soluble Alzheimer's β -peptide from biological fluids," <u>Nature</u> , 359: 325-327 (1992).	<input type="checkbox"/>
157	SHIOSAKA, S., "Attempts to make models for Alzheimer's disease," <u>Neuroscience Res.</u> , 13:237-255 (1992).	<input type="checkbox"/>
158	SMITS et al., "Prion Protein and Scrapie Susceptibility," <u>Vet. Quart.</u> , 19(3): 101-105 (1997).	<input type="checkbox"/>

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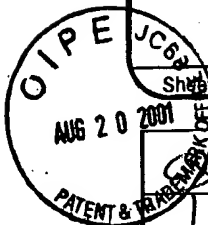
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 11

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - NICHOLS
Attorney Docket Number	15270J-004743US



159	SOLOMON et al., "Disaggregation of Alzheimer β -amyloid by site-directed mAb," <u>PNAS</u> , 94:4109-4112 (1997).	<input checked="" type="checkbox"/>
160	SOLOMON et al., "Monoclonal antibodies inhibit in vitro fibrillar aggregation of the Alzheimer β -amyloid peptide," <u>PNAS</u> , 93:452-455 (1996).	<input checked="" type="checkbox"/>
161	SOLOMON, A., "Pro Rx (Protein Therapeutics)," University of Tennessee Medical Center (publication date unknown).	<input checked="" type="checkbox"/>
162	SOLOMON, B., "New Approach Towards Fast Induction of Anti β-Amyloid Peptide Immune Response," Department of Molecular Microbiology & Biotechnology, Tel Aviv University, Ramat Aviv, Tel Aviv, Israel (publication date unknown).	<input checked="" type="checkbox"/>
182	SOLOMON et al., "Inhibitory effect of monoclonal antibodies on Alzheimer's β -amyloid peptide aggregation," <u>Int. J. Exp. Clin. Invest.</u> , 3:130-133 (1996).	<input checked="" type="checkbox"/>
184	SOLOMON et al., "Thermal Stabilization of Carboxypeptidase A as a Function of PH and Ionic Milieu," <u>Biochem. Mol. Biol. Int.</u> , 43(3):601-611 (1997).	<input checked="" type="checkbox"/>
185	SOLOMON et al., "Modulation of The Catalytic Pathway of Carboxypeptidase A by Conjugation with Polyvinyl Alcohols," <u>Adv. Mol. Cell Biology</u> , 15A:33-45 (1996).	<input checked="" type="checkbox"/>
186	SOLOMON et al., "Activity of monoclonal antibodies in prevention of in vitro aggregation of their antigens," abstract from Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Tel Aviv, Israel (publication date unknown).	<input checked="" type="checkbox"/>
179	SOUTHWICK et al., "Assessment of Amyloid β protein in Cerebrospinal fluid as an Aid in the Diagnosis of Alzheimer's Disease," <u>J. Neurochemistry</u> , 66:259-265 (1996).	<input checked="" type="checkbox"/>
163	STOUTE et al., "A Preliminary Evaluation of a Recombinant Circumsporozoite Protein Vaccine Against <i>Plasmodium Falciparum</i> Malaria," <u>N. Engl. J. Med.</u> , 336(2): 86-91 (1997).	<input checked="" type="checkbox"/>
164	STURCHLER-PIERRAT et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <u>PNAS</u> , 94: 13287-13292 (1997).	<input checked="" type="checkbox"/>
165	TANAKA et al., "NC-1900, an active fragment analog of arginine vasopressin, improves learning and memory deficits induced by beta-amyloid protein in rats," <u>European J. Pharmacology</u> , 352:135-142 (1998).	<input checked="" type="checkbox"/>
166	TRIEB et al., "Is Alzheimer beta amyloid precursor protein (APP) an autoantigen? Peptides corresponding to parts of the APP sequence stimulate T lymphocytes in normals, but not in patients with Alzheimer's disease," <u>Immunobiology</u> , 191(2-3):114-115 Abstract C.37, (1994).	<input checked="" type="checkbox"/>
167	VAN GOOL et al., "Concentrations of amyloid- β protein in cerebrospinal fluid increase with age in patients free from neurodegenerative disease," <u>Neuroscience Letters</u> , 172:122-124 (1994).	<input checked="" type="checkbox"/>
168	VERBEEK et al., "Accumulation of Intercellular Adhesion Molecule-1 in Senile Plaques in Brain Tissue of patients with Alzheimer's Disease," <u>Amer. Jour. Pathology</u> , 144(1):104-116 (1994).	<input checked="" type="checkbox"/>
169	WALKER et al., "Labeling of Cerebral Amyloid In Vivo with a Monoclonal Antibody," <u>J. Neuropath. Exp. Neurology</u> , 53(4):377-383 (1994).	<input checked="" type="checkbox"/>
180	WEINER et al., "ORAL TOLERANCE: Immunologic Mechanisms and Treatment of Animal and Human Organ-Specific Autoimmune Diseases by Oral Administration of Autoantigens," <u>Annu. Rev. Immunol.</u> , 12:809-837 (1994).	<input checked="" type="checkbox"/>
170	WEISSMANN et al., "Bovine spongiform encephalopathy and early onset variant Creutzfeldt-Jakob disease," <u>Curr. Opin. Neurobiol.</u> , 7: 695-700 (1997).	<input checked="" type="checkbox"/>

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Sheet 11

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Filing Date November 27, 2000
First Named Inventor Dale B. Schenk
Group Art Unit 1647
Examiner Name Unassigned NICHOLS
Attorney Docket Number 15270J-004743US

171	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <u>J. Food Drug Analysis</u> , 6(2):485-476 (1998).	<input type="checkbox"/>
172	WENGENACK et al., "Targeting Alzheimer amyloid plaques in vivo," <u>Nature Biotech.</u> , 18:868-824 (2000).	<input type="checkbox"/>
219	WONG et al., "Neuritic Plaques and Cerebrovascular Amyloid in Alzheimer Disease are Antigenically Related," <u>Proc. Natl. Acad. Sci. USA</u> , 82:8729-8732 (1985).	<input type="checkbox"/>
173	WOOD et al., "Amyloid precursor protein processing and A β 42 deposition in a transgenic mouse model of Alzheimer disease," <u>PNAS</u> , 94: 1550-1555 (1997).	<input type="checkbox"/>
174	Human Immunology & Cancer Program brochure, from The University of Tennessee Medical Center/ Graduate School of Medicine, Knoxville, Tennessee (publication date unknown).	<input type="checkbox"/>

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Group Art Unit	1647
Examiner Name	Turner, Sharon <i>NICHOLS</i>
Attorney Docket Number	15270J-004743US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ¹ (if known)			
<i>CS</i>	287	6,294,171	B2	McMichael	06-25-2001	
	234	6,284,221	B1	Schenk, et al.	08-04-2001	
	300	2001/0018053	A1	McMichael	08-30-2001	
	230	6,262,335	B1	Hsiao et al.	07-17-2001	
	231	6,114,133		Seubert et al.	08-05-2000	
<i>CS</i>	221	6,989,566		Cobb et al.	11-23-1999	
<i>CS</i>	284	5,231,170		Averback	07-27-1993	
	343	66/189,604		Chaffoy et al.	N/A	
	282	66/189,687		Chen	N/A	
	296	66/184,604		Holtzman et al.	N/A	
	289	60/188,295		Rosenkranz et al.	N/A	
	298	60/254,488		Holtzman et al.	N/A	
	297	60/254,488		Holtzman et al.	N/A	
	293	60/181,140		Selomon et al.	N/A	

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	298	PCT	01/42308	A2		06-14-2001	
	801	PCT	01/82284	A2		03-01-2000	
	284	PCT	01/62801	A2		08-30-2001	
<i>CS</i>	240	PCT	00/43039	A1		07-27-2000	
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Sheet 2

of 6

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Turner, Sharon NICHOLS
Attorney Docket Number	15270J-00473US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7 ²
CTD	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" J. Mol. Biol., 225(4): 1075-1083 (1992).	
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Sheet 3

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Furner, Sharon NICHOLS
Attorney Docket Number	15270J-004743US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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CTN	228	Elen, 'Elen and Wyeth Provide Update on Status of Alzheimer's Collaboration,' Press Release (3/1/2002).	
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C. W. L. S.

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1847
Examiner Name	Turner, Sharon NICHOLS
Attorney Docket Number	15270J-004743US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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Sheet 5 of 6

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Furner, Sharon NICHOLS
Attorney Docket Number	15270J-004743US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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ESD	250	NAKAMURA et al., "Histopathological studies on senile plaques and cerebral amyloid angiopathy in aged cynomolgus monkeys," <i>Exp. Anim.</i> , 43:711-718 (1995).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,319
		Filing Date	November 27, 2000
		First Named Inventor	Schenk, Dale B.
		Group Art Unit	1847
		Examiner Name	Turner, Sharon NICHOLS
		Attorney Docket Number	15270J-004743US
Sheet	8	of	6

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
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	274	WEINER et al., "Nasal administration of amyloid- β peptide decreases cerebral amyloid burden in a mouse model of Alzheimer's disease," <i>Annals of Neurology</i> , 48:567-578 (2000).
	223	Wisconsin Alumni Research Foundation, "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologics," U.S. Govt. Rec. Develop. Rep., 70(24), 66. (Publication date unknown.)
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